

**Nana Wall System Inc.
707 Redwood Highway
Mill Valley, CA 94941**

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "SL-73" Aluminum Outswing Folding Doors-LMI

APPROVAL DOCUMENT: Drawing No. 1635 A, titled "SL-73 out-Swing Impact Folding Panels", sheets 1 through 8 of 8, dated 11/23/09 and last revised on DEC 19, 2011, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact**Limitations:**

1. ADA/Flush Saddle Doors are not approved for water resistant unless complies w/ FBC requirements.
2. Max panel width= DLO width+8.125"

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, **Richmond, CA** or **Bissendorf, Germany** and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises** NOA # 10-0322.19 and consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections. (transferred from file # **10-0322.19**)
2. Drawing No. **1635 A**, titled "SL-73 out-Swing Impact Folding Panels", sheets 1 through 8 of 8, dated 11/23/09 and last revised on DEC 19, 2011, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E.

(This revision consists of FBC 2010 & glazing bead/gasket as verified by lab)

B. TESTS

1. Test reports on:
 - 1) Air Infiltration Test, per FBC, TAS 202-94
 - 2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
 - 3) Water Resistance Test, per FBC, TAS 202-94
 - 4) Small Missile Impact Test per FBC, TAS 201-94
 - 5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
 - 6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with installation diagram of aluminum outswing folding door, prepared by Architect Testing, Test Report No(s). 91077.01-301-18, dated 06/15/09 with revision 3 dated 03/09/10, signed and sealed by Tyler Westerling, P.E. and Joshua M. Royce, P.E.

(The test report have addendum letters dated Oct 06, 2011, related to glazing bead & gasket material & marked-up Dwgs and dated 06/16/10, issued by Architectural Testing, signed & sealed by Tyler Westerling, P.E. and Michael D. Stremmel, P. E., respectively)

C. CALCULATIONS

1. Statement letter of conformance to FBC 2007 and FBC 2010, prepared by W. W. Schaefer Engineering & Consulting, P.A., dated OCT 18, 2011, signed & sealed by Warren W. Schaefer, P.E.
2. Anchor verification calculation dated March 16, 2010 and revised on June 08, 2010 complying w/ FBC 2007, prepared by W. W. Schaefer Engineering & Consulting, P.A., signed and sealed by Warren W. Schaefer, P.E. (transferred from file # **10-0322.19**)
3. Glazing complies w/ ASTM E-1300-02 & -04

D. QUALITY ASSURANCE

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **07-1116.04** issued to E.I. DuPont DeNemours for "SentryGlasPlus", expiring on 01/14/2012.
2. Test report No. 60520.01-106-18 dtd 11/09/06, issued by Architectural Testing for "Tecatherm **66 GF** (insul bar material) for Xenon Arch weathering per ASTM G-55, tensile test per ASTM D-638, smoke density per ASTM D-2843, rate of burning per ASTM D-635 & self ignition test per ASTM D-1929, signed and sealed by Joseph M. Brickner and Todd D. Burroughs.
3. Marked-up Tremco (EPDM) technical data sheet, issued by Architectural Testing.

F. STATEMENTS

1. Statement letter of conformance to FBC 2010 & "No financial interest, prepared by W. W. Schaefer Eng. & Consulting, P.A., dated OCT 18, 2011, signed and sealed by Warren W. Schaefer, P.E.
2. Distribution agreement between Solarlux Nana Mfg. LLC, Richmond, CA and Nana Wall System Mill Valley, CA.
3. Distribution agreement between Solarlux Nana Mfg. LLC, Bissendorf, Germany and Nana Wall System Mill Valley, CA.

G. OTHER

1. This NOA revises NOA # **10-0322.19**, expiring on August 11, 2015.
2. Test proposal # **09-0568** dated May 26, 2009, approved by BCCO.

Ishaq I. Chanda
Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 11-1024.05

Expiration Date: August 11, 2015

Approval Date: January 12, 2012

GENERAL NOTES:

1. THESE DOOR SYSTEMS HAVE BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THE DETAILS & SPECIFICATIONS SHOWN HEREIN REPRESENT THE PRODUCTS TESTED & PROPOSED FOR WATER, AIR, IMPACT, CYCLIC & UNIFORM STATIC AIR PRESSURE TESTING IN CONFORMANCE WITH THE FLORIDA BUILDING CODE PROTOCOLS TAS-201, 202 & 203 FOR LARGE MISSILE IMPACT DOORS.
5. THESE DOOR SYSTEMS HAVE BEEN DESIGNED IN ACCORDANCE WITH AND MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ).
6. IMPACT SHUTTERS ARE NOT REQUIRED WITH THESE DOORS.
7. ALL ANCHORS SECURING DOOR FRAME TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
8. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
9. NO INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE CERTIFICATION OF THIS PRODUCT. WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR WOOD SCREW ANALYSIS ONLY.
10. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE CHAPTER 20.

HINGE REQUIREMENTS

5 PER PANEL (ALL PANEL SIZES)
PLACED APPROXIMATELY 5" & 13" FROM
TOP & BOTTOM & AT MIDDLE OF PANEL

FRAME ANCHOR REQUIREMENTS TABLE

FRAME SCREWS

OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
(1) SINGLE SCREW ROW			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 16 GA. 33 KSI METAL STUD	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU	(2) 1/4" CONCRETE SCREW	1 1/4"	2 1/2"
MIN. 2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/2"	2 1/2"

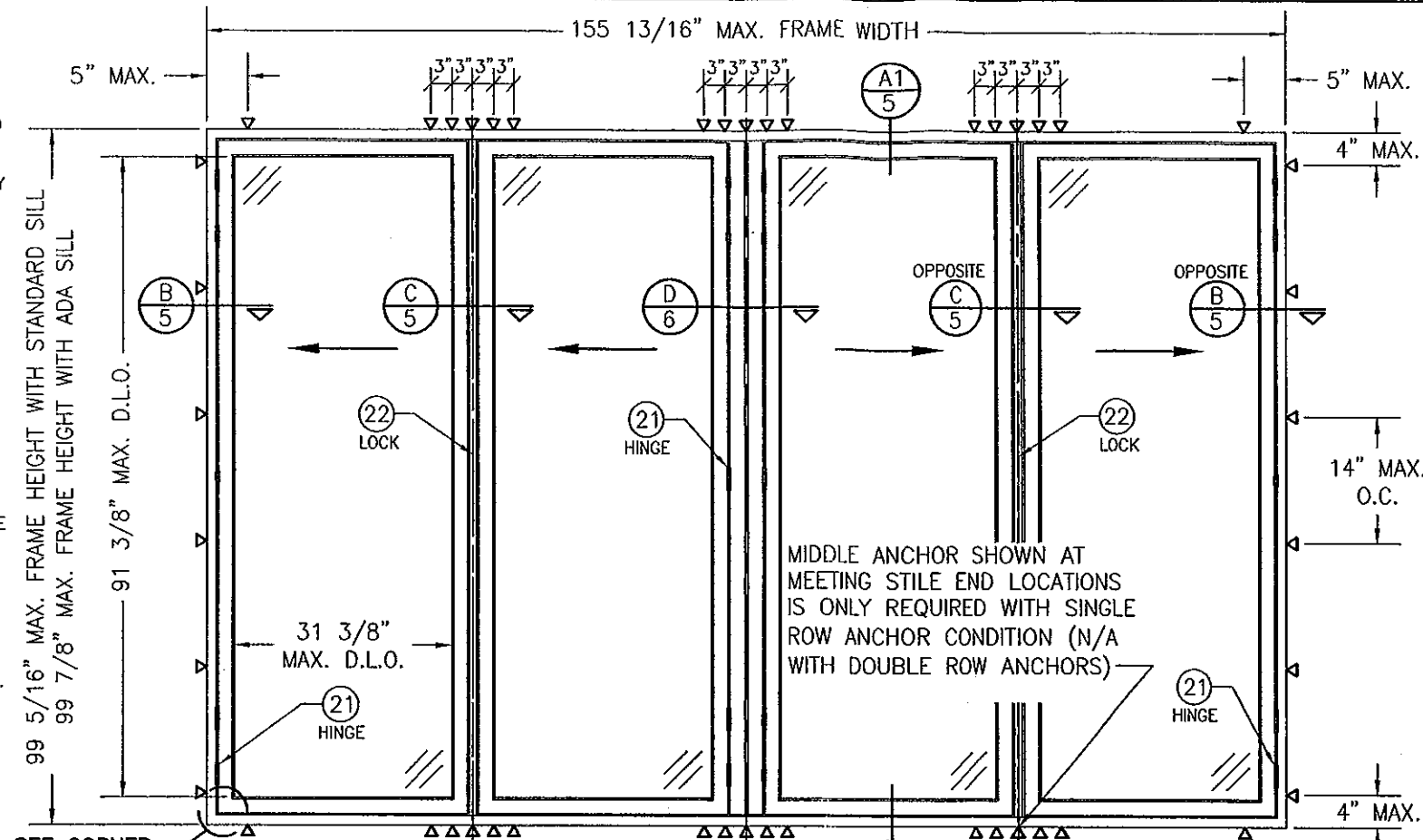
DOUBLE SCREW ROW

(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU	(2) 1/4" CONCRETE SCREW	1 1/4"	2"
MIN. 2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/2"	2"

- (1) WHEN SINGLE SCREW ROW ANCHORING METHOD IS USED SCREWS MUST HAVE A $\phi 3/4"$ O.D. FLAT WASHER AT THE SCREW HEAD.
- (2) CONCRETE SCREWS SHALL BE ELCO ULTRACONS, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).
- (3) 2X6 WOOD BUCK MAY BE RIPPED DOWN TO 4 1/2" PROVIDING THAT REQ'D SCREW TO BUCK EDGE DISTANCES ARE MAINTAINED.

CORNER CONSTRUCTION:

FRAME (WITH STANDARD RAISED SILL): MEMBERS ARE MITERED, BUTTED & JOINED VIA (2) TWO CORNER KEYS (ITEM #12) EACH CORNER KEY IS SECURED WITH (2) TWO $\phi 5/16"$ X 3/4" BRASS CONE PINS. CORNERS ARE SEALED WITH SILICONE SEALANT.
FLUSH SADDLE SILL: MEMBERS ARE SQUARE CUT, BUTTED & JOINED VIA AN END CAP WITH (3) THREE 1/8" X 5/8" FHIF SCREWS AT THE SILL & (2) TWO 1/8" X 5/8" FHIF SCREWS AT THE VERTICAL MEMBER. CORNERS ARE SEALED WITH A CUSHION WEATHERSTRIPPING.
RAIL TO STILE: MEMBERS ARE MITERED, BUTTED & JOINED VIA (2) TWO CORNER KEYS (ITEM #13 & #14) THE CORNER KEY IS SECURED BY CRIMPING (2) TWO LEGS EACH PANEL. CORNERS ARE SEALED WITH SILICONE SEALANT.



EXTERIOR ELEVATION: (2 DIRECTION FOLDING PANELS)

SCALE: 1/2" = 1'-0"

FRAME SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR REQUIREMENTS (APPLICABLE TO SINGLE OR DOUBLE ROW OF SCREWS).

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 11-1024-05
Expiration Date 02/11/2015
By: [Signature]
Nana Wall Systems, Inc.

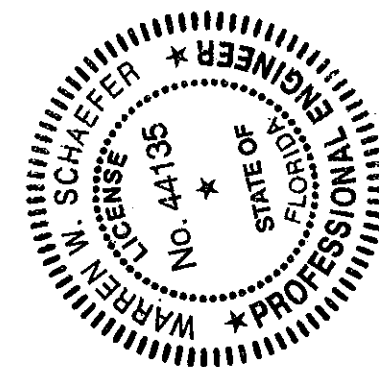
THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

(2) ALLOWABLE DESIGN PRESSURE

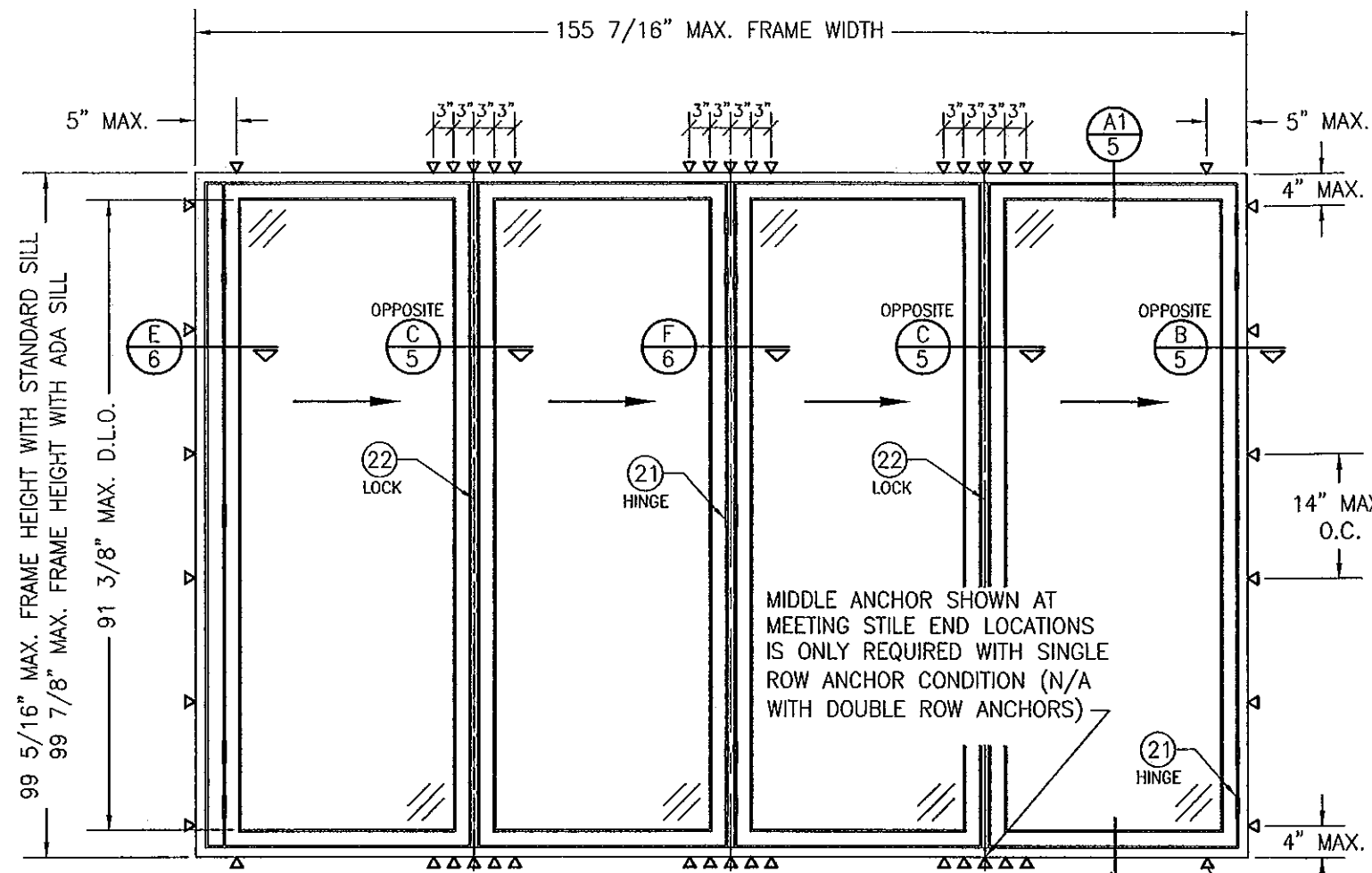
(1) MAX. FRAME HEIGHT (IN.)	MAX. D.L.O. WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)	
		POS.	NEG.
99 7/8	31 3/8	70.0	70.0
	28 3/8	75.8	75.8
	25 3/8	80.0	82.5
	22 3/8	80.0	90.0
93 7/8	31 3/8	74.5	74.5
	28 3/8	80.0	80.6
	25 3/8	80.0	87.8
	24 3/8	80.0	90.0
87 7/8	31 3/8	79.6	79.6
	28 3/8	80.0	86.1
	26 3/8	80.0	90.0
82 7/8	31 3/8	80.0	84.4
	28 3/8	80.0	90.0

(1) FRAME HEIGHT SHOWN CONSIDERS THE CONDITION WHEN ADA SILL IS USED. FRAME HEIGHT IS 9/16" LESS WHEN STANDARD SILL IS USED.

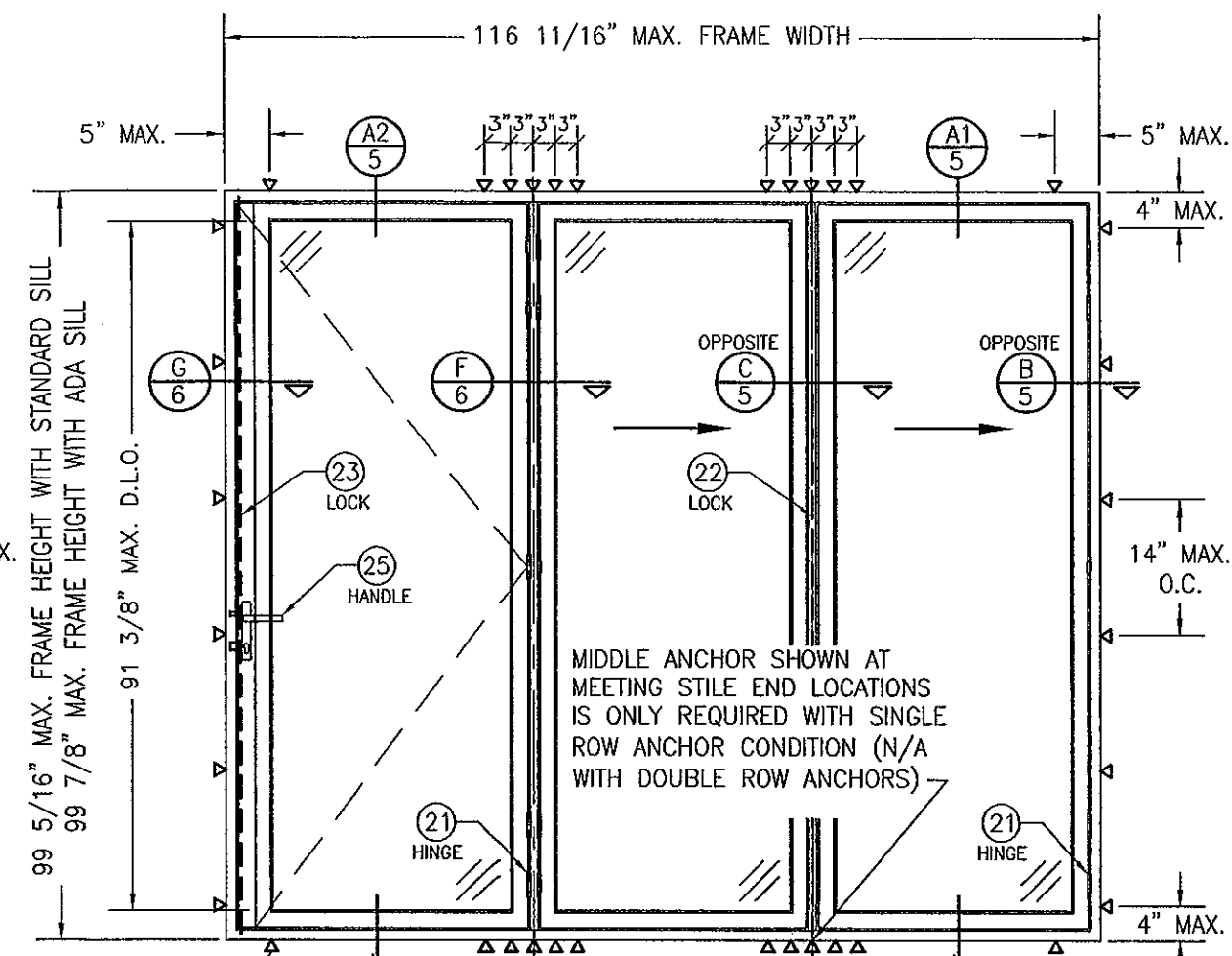
(2) WHEN AN ADA/FLUSH SADDLE SILL IS USED, THESE DOORS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR UNLESS UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION OR THEY ARE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC CHAPTER 24.



DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
PLOT:	1=24	DATE:	11/23/09
DATE:	10/18/11	BY:	
REVISION	DESCRIPTION	ADDRESS	
NO.	1	UPDATE	CONSULTANTS
NO.	A1		
MANUFACTURER			
NANA WALL SYSTEMS, INC			
707 REDWOOD HIGHWAY			
MILL VALLEY, CA 94941			
800-873-5673			
CONSULTANTS			
W. W. SCHAEFER ENGINEERING			
& CONSULTING, P.A. (CA 6809)			
7480 150TH COURT NORTH			
PALM BEACH GARDENS, FL 33418			
PHONE: 561-744-3424			
DRAWING TITLE			
SL-73 OUT-SWING IMPACT FOLDING PANELS			
CERTIFICATION			
DEC 19 2011			
DRAWING NO.			
1635			
REV.			
A			
SHEET NO.			
1 OF 8			



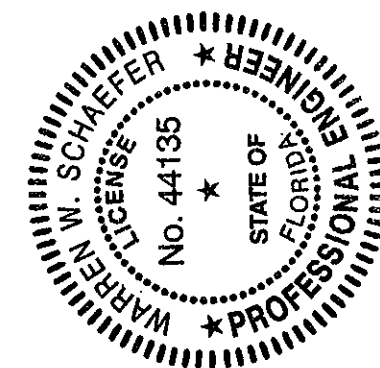
EXTERIOR ELEVATION:
(1 DIRECTION FOLDING PANELS)
 SCALE: 1/2" = 1'-0"



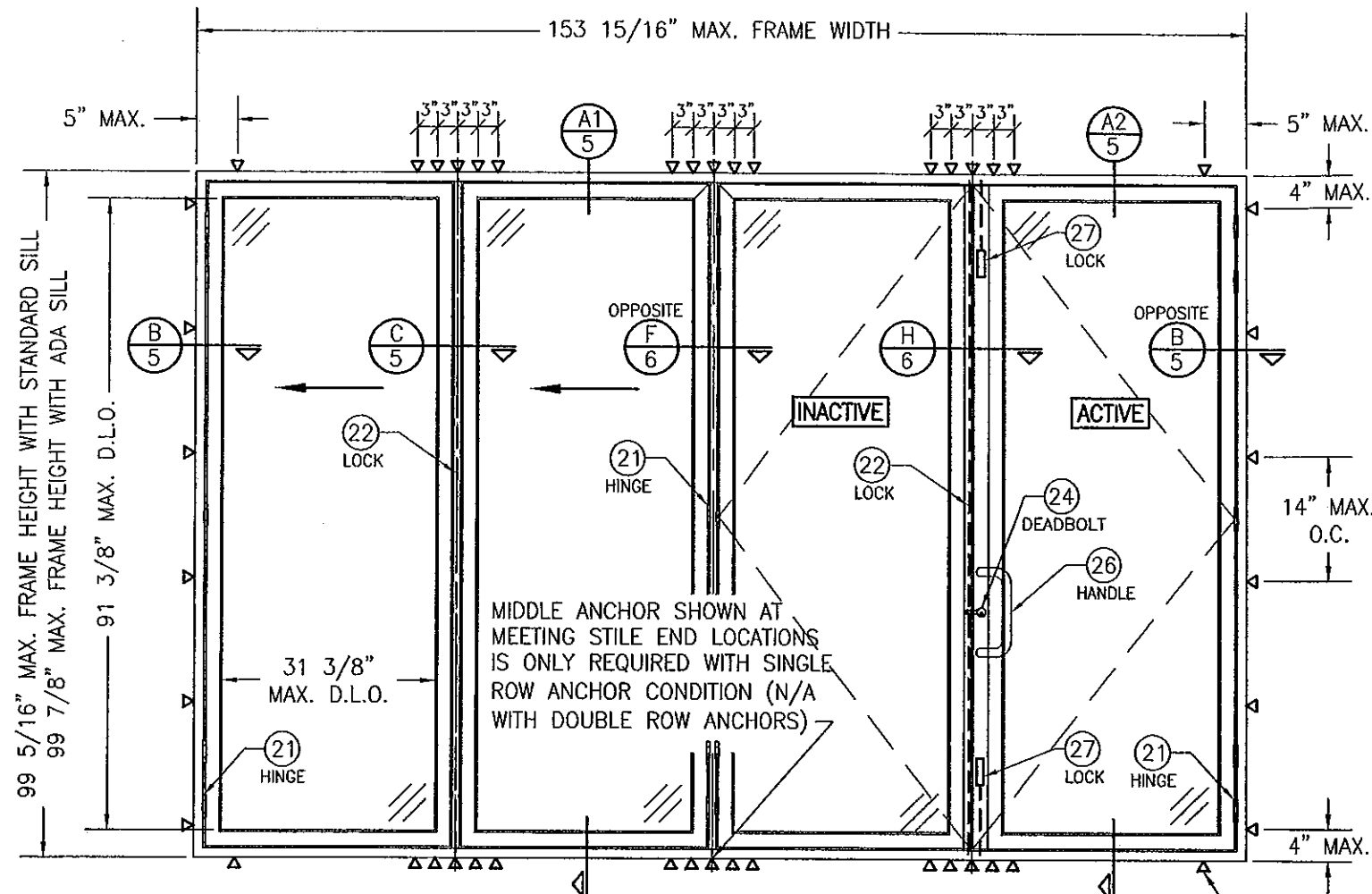
EXTERIOR ELEVATION:
(1 DIRECTION FOLDING PANELS WITH SWING PANEL
LOCKING TO JAMB)
 SCALE: 1/2" = 1'-0"
 (ACTIVE SWING DOOR SHOWN WITH MULTI-POINT LOCK.
 DEADBOLT/FLUSH BOLT LOCK COMBINATION ALSO APPLIES)

FRAME SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (APPLICABLE TO SINGLE OR DOUBLE ROW OF SCREWS).

PRODUCT REVIEWED
 as complying with the Florida
 Building Code
 Acceptance No. 11-1024.05
 Expiration Date 2/11/15
 By *Ismael Chante*
 Miami Dade Product Centre



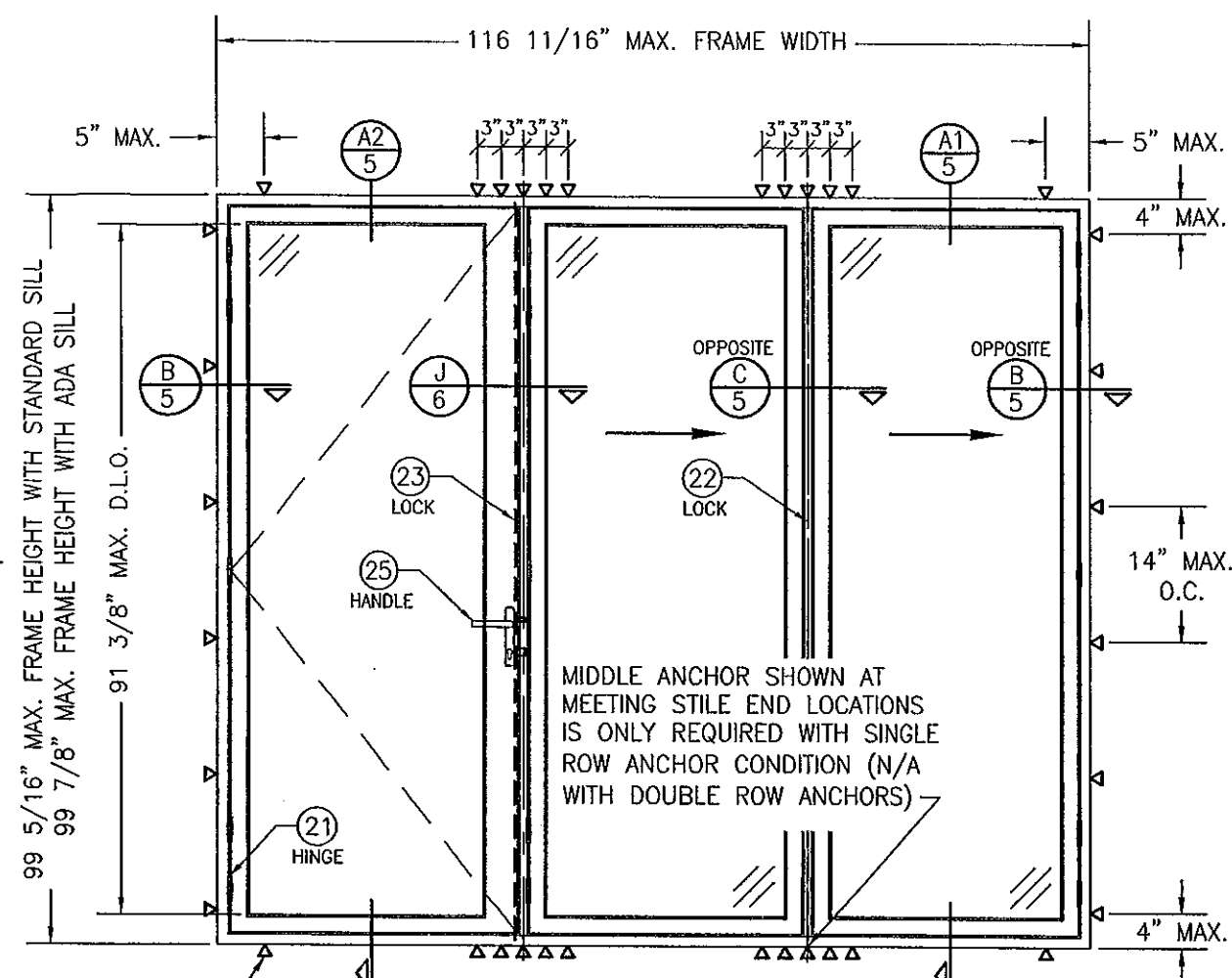
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PLOT: 1=24		DATE: 11/23/09	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: SL-73 OUT-SWING IMPACT FOLDING PANELS		MANUFACTURER: NANA WALL SYSTEMS, INC. 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673	
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		P.E. NO. 44135	
CERTIFICATION: DEC 19 2011		DRAWING NO. 1635	
		REV. A	
		SHEET NO. 2 OF 8	



**EXTERIOR ELEVATION:
(1 DIRECTION FOLDING PANELS WITH DOUBLE SWING
PANELS)**

SCALE: 1/2" = 1'-0"
(ACTIVE SWING DOOR SHOWN WITH DEADBOLT/FLUSH BOLT LOCK
COMBINATION. MULTI-POINT LOCK ALSO APPLIES)

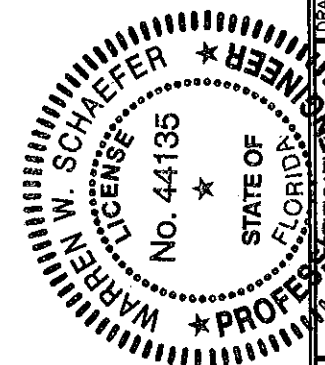
FRAME SCREWS WHERE
SHOWN. SEE "FRAME
ANCHOR REQUIREMENTS
TABLE" ON SHEET 1 FOR
REQUIREMENTS
(APPLICABLE TO SINGLE
OR DOUBLE ROW OF
SCREWS).



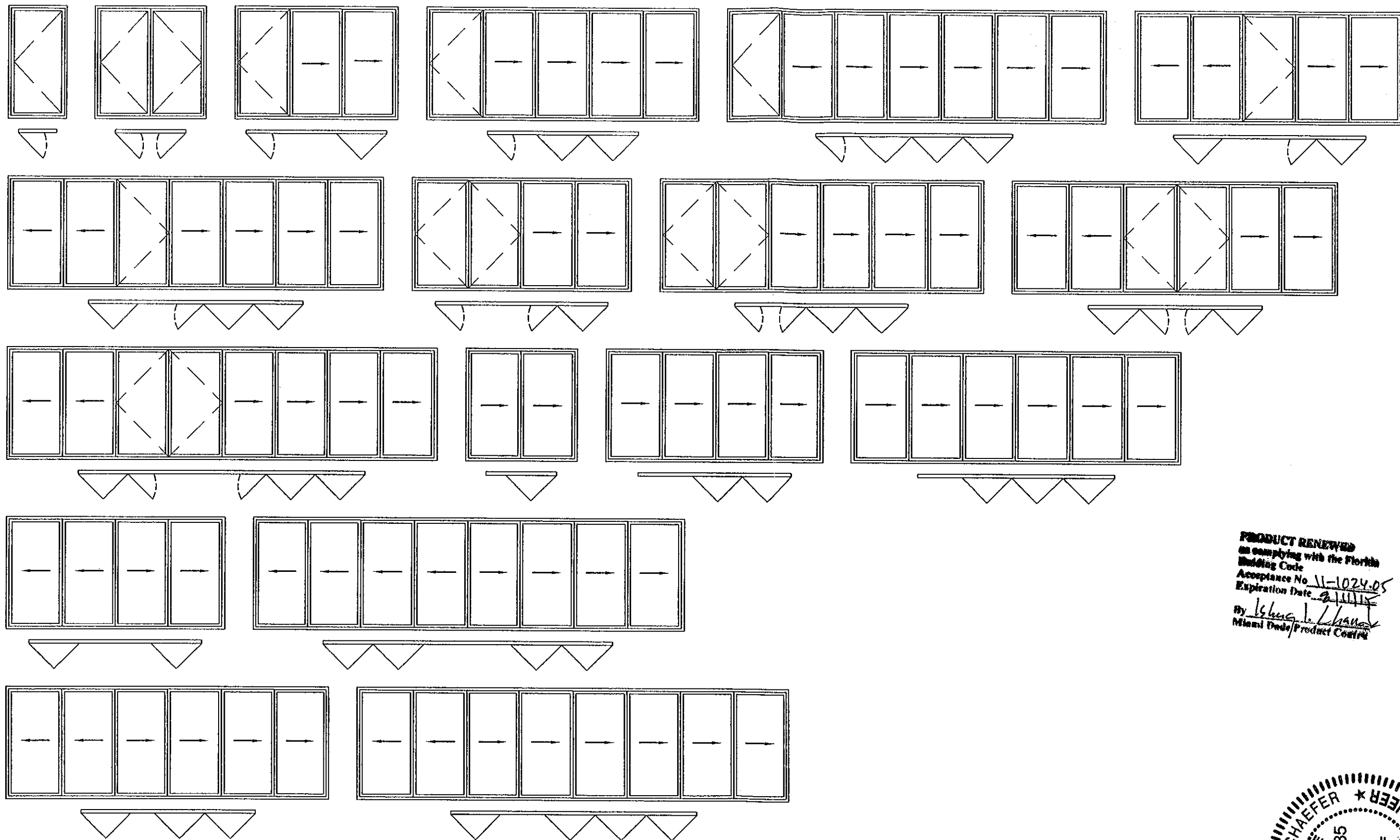
**EXTERIOR ELEVATION:
(SWING PANEL LOCKING TO 1 DIRECTION
FOLDING PANELS)**

SCALE: 1/2" = 1'-0"
(ACTIVE SWING DOOR SHOWN WITH MULTI-POINT LOCK.
DEADBOLT/FLUSH BOLT LOCK COMBINATION ALSO APPLIES)

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 11-1024-05
Expiration Date 9/11/15
By [Signature]
Miami Dade Product Control



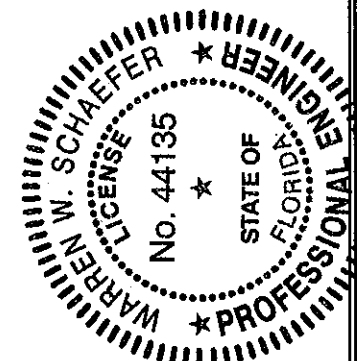
DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1-24	DATE: 11/23/09
DATE	BY
REVISION DESCRIPTION	
NO.	
DRAWING TITLE SL-73 OUT-SWING IMPACT FOLDING PANELS	MANUFACTURER NANA WALL SYSTEMS, INC 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	WARREN W. SCHAEFER, P.E. P.E. NO. 44135
DRAWING NO. 1635	REV. A
SHEET NO. 3	OF 8



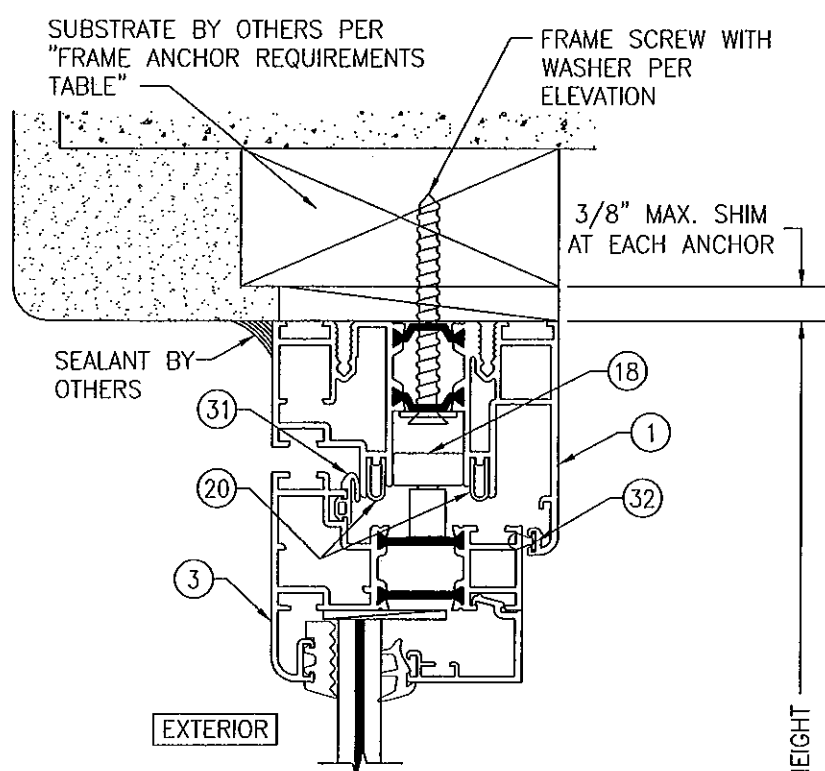
CONDITIONS SHOWN ARE THE MAJORITY OF THOSE USED. OTHER CONDITIONS OF FOLDING & SWING PANELS APPLY PROVIDING THEY ARE WITHIN THE SCOPE OF THE DETAILS WITHIN THIS DRAWING.

WHILE UP TO 8 PANELS IN ONE OPENING IS SHOWN, THERE IS NO LIMIT TO THE NUMBER OF PANELS IN ONE DOOR FRAME OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT THE LOADS TRANSFERRED FROM THE DOOR SYSTEM

PRODUCT REVIEWED
 in compliance with the Florida
 Building Code
 Acceptance No. 11-1024.05
 Expiration Date 2/1/11
 By Ismael L. Llanusa
 Miami Dade Product Control

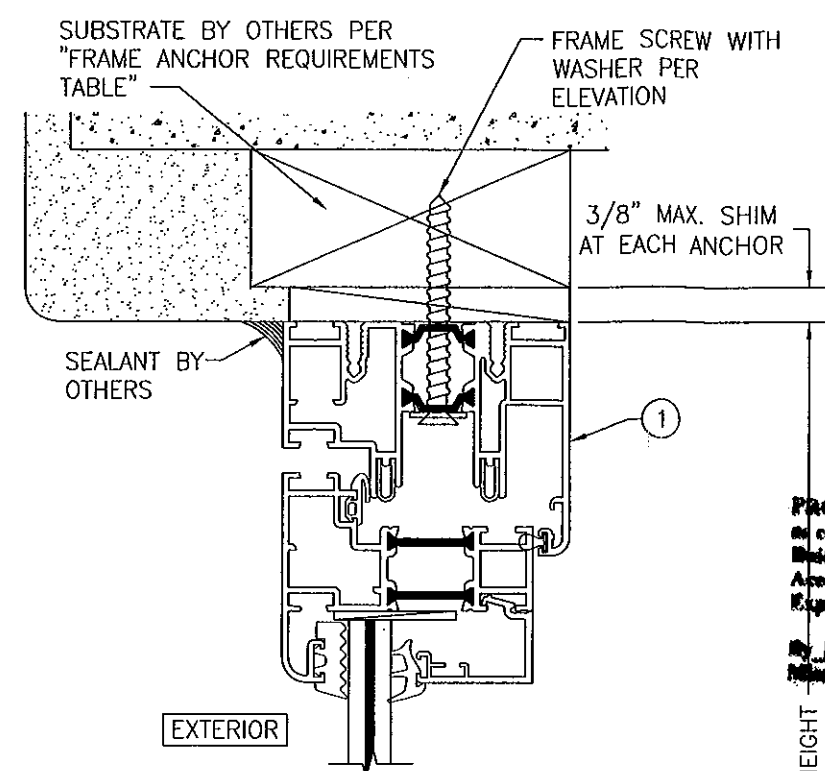


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PLOT: 1=24		DATE: 11/23/09	
NO.	REVISION	DESCRIPTION	DATE
DRAWING TITLE SL-73 OUT-SWING IMPACT FOLDING PANELS			
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		MANUFACTURER NANA WALL SYSTEMS, INC 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673	
7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424		By <u>Ismael L. Llanusa</u> Miami Dade Product Control	
DEC 19 2011		WARREN W. SCHAEFER, P.E. P.E. NO. 44135	
DRAWING NO. 1635		REV. A	
SHEET NO. 4		OF 8	



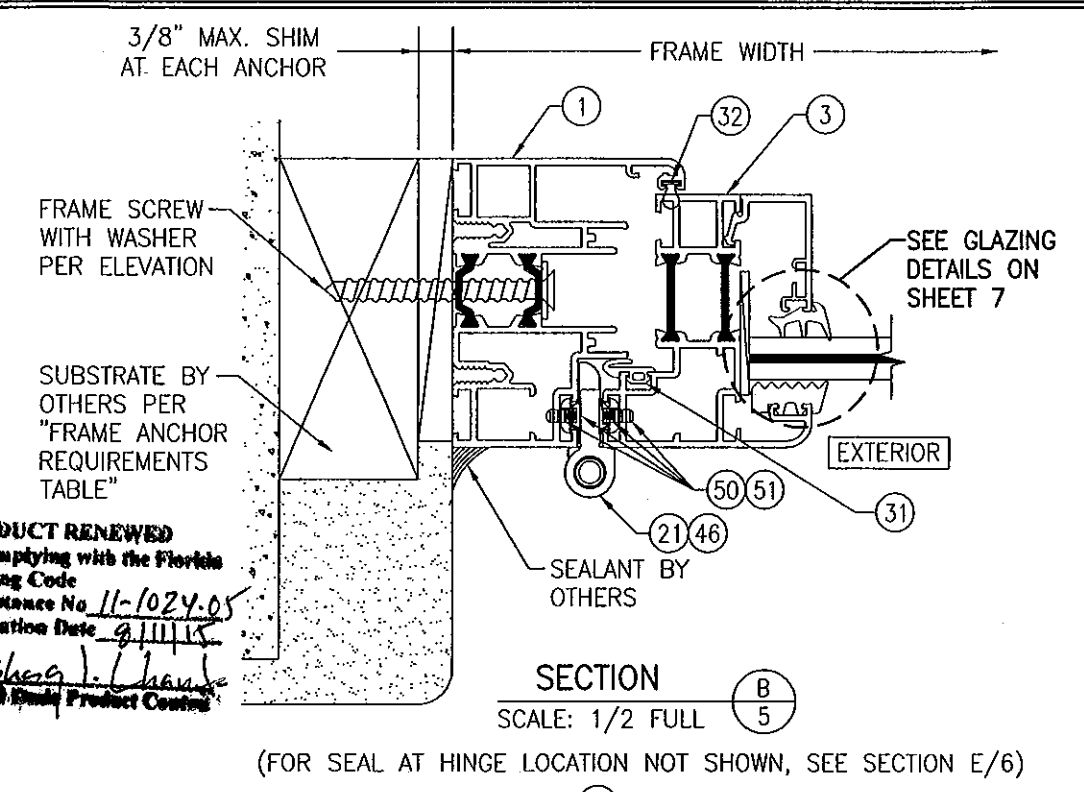
SECTION A1
SCALE: 1/2 FULL

* STANDARD LOW PROFILE SILL RAIL CONDITION SHOWN. SEE "HIGH PROFILE SILL RAIL DETAIL" ON SHEET 6 FOR HIGH PROFILE SILL RAIL CONDITION
 * STANDARD SILL CONDITION SHOWN. SEE "FLUSH SADDLE SILL DETAIL" ON SHEET 7 FOR ADA SILL CONDITION



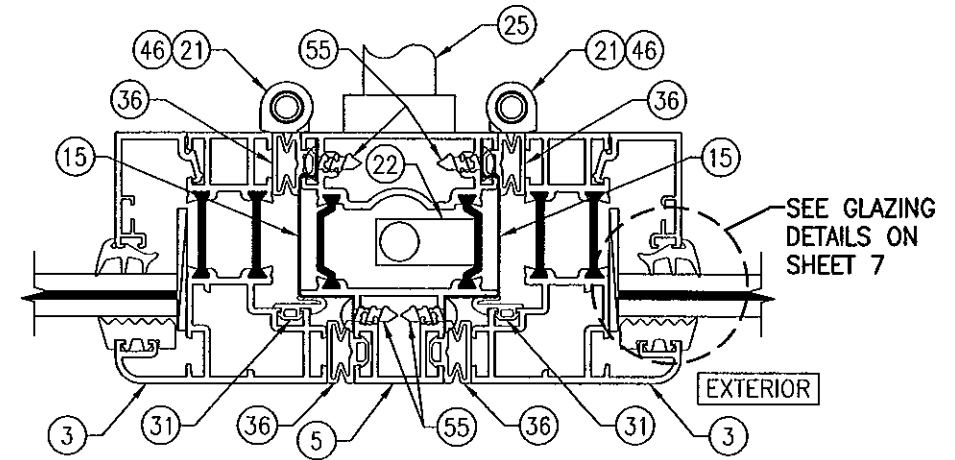
SECTION A2
SCALE: 1/2 FULL
(FOR DETAIL NOT SHOWN, SEE SECTION A1/5)

INSTALLATION CONDITION SHOWN IN THESE SECTIONS IS FOR A SINGLE ANCHOR ROW CONDITION. FOR THE DOUBLE ANCHOR ROW CONDITION, SEE "DOUBLE ANCHOR ROW DETAILS" ON SHEETS 6 & 7



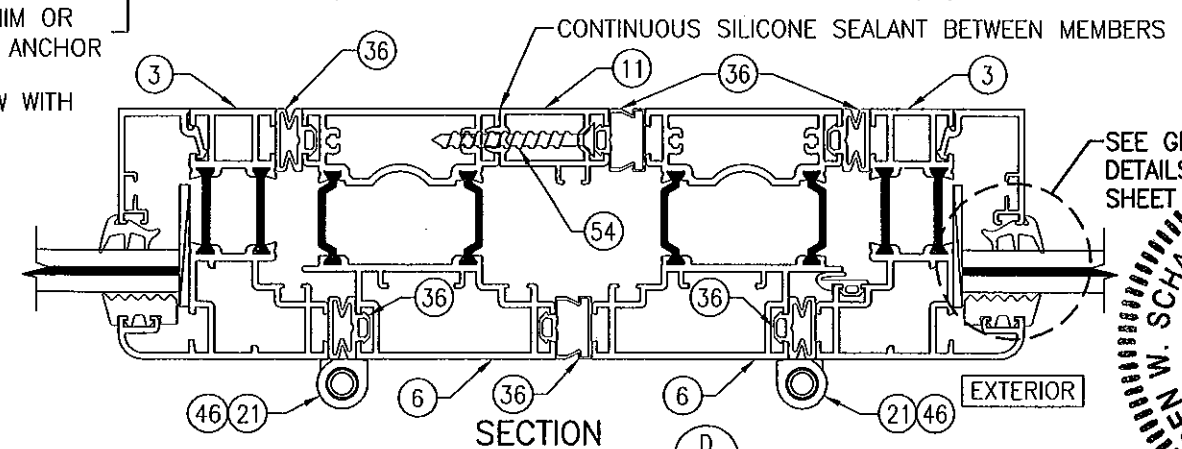
SECTION B
SCALE: 1/2 FULL

(FOR SEAL AT HINGE LOCATION NOT SHOWN, SEE SECTION E/6)



SECTION C
SCALE: 1/2 FULL

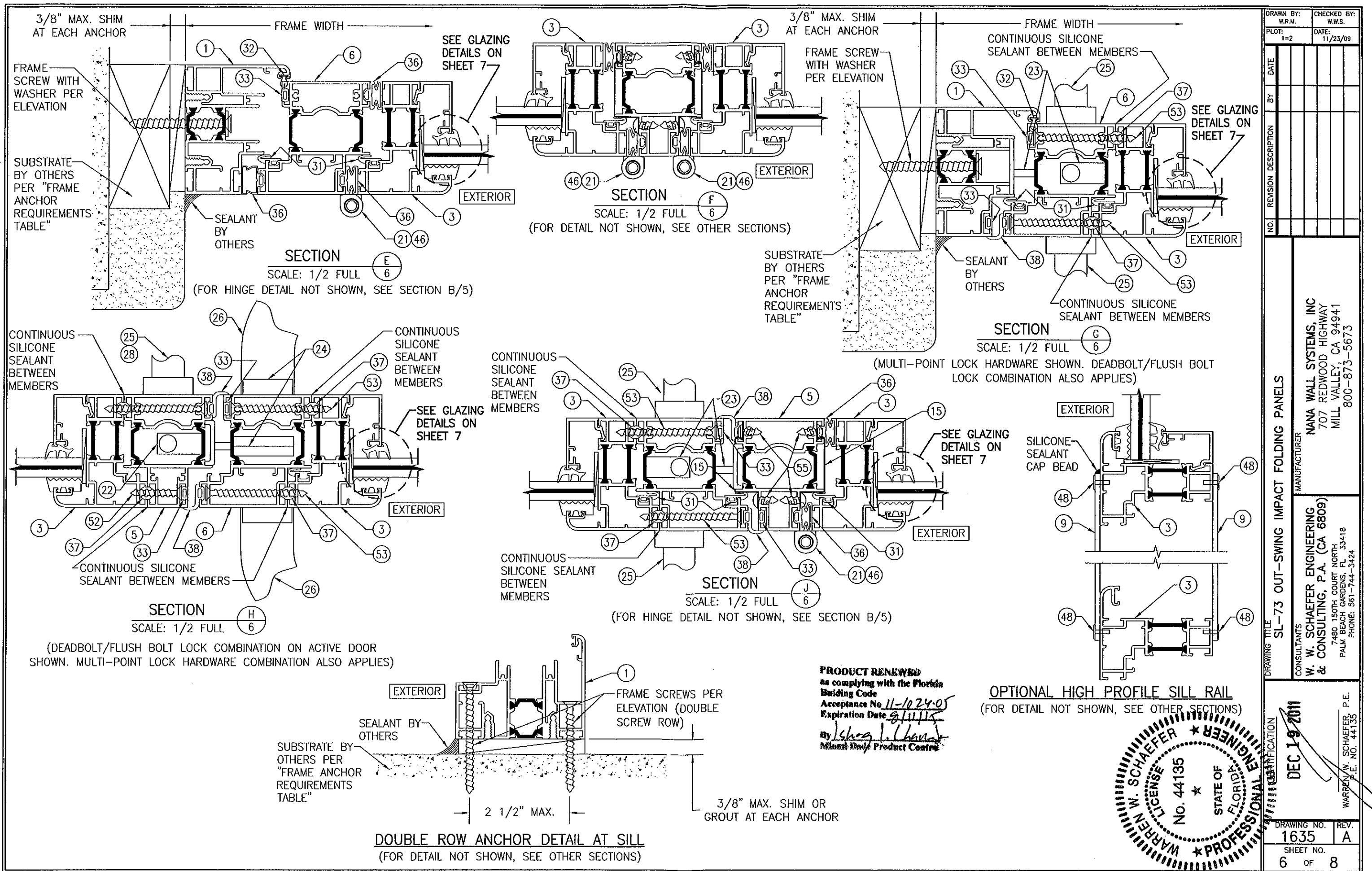
(FOR HINGE DETAIL NOT SHOWN, SEE SECTION B/5)



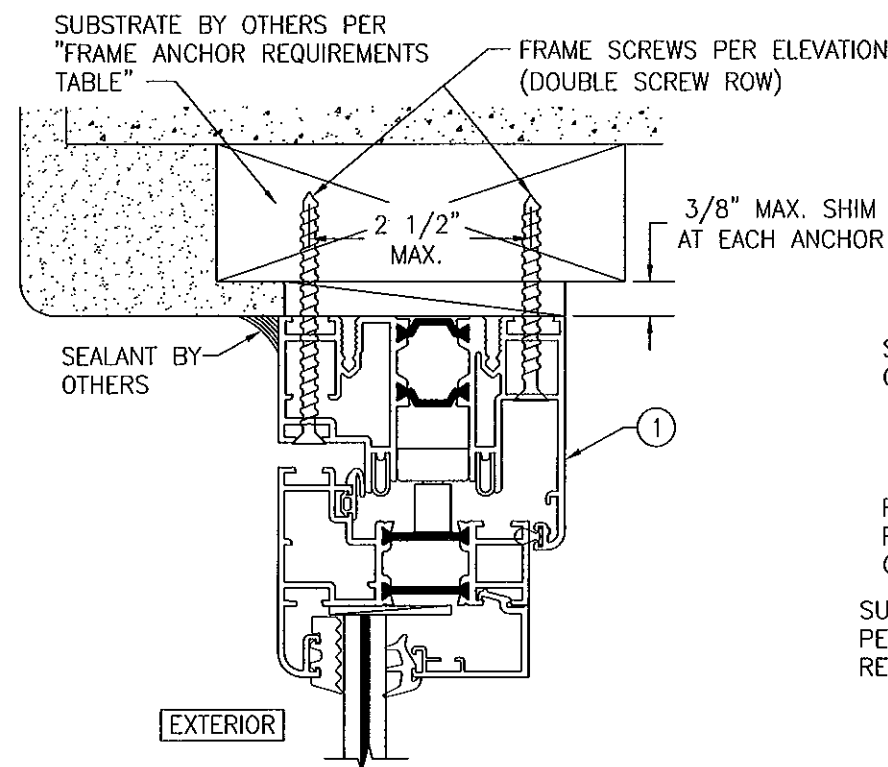
SECTION D
SCALE: 1/2 FULL

(FOR HINGE DETAIL NOT SHOWN, SEE SECTION B/5)

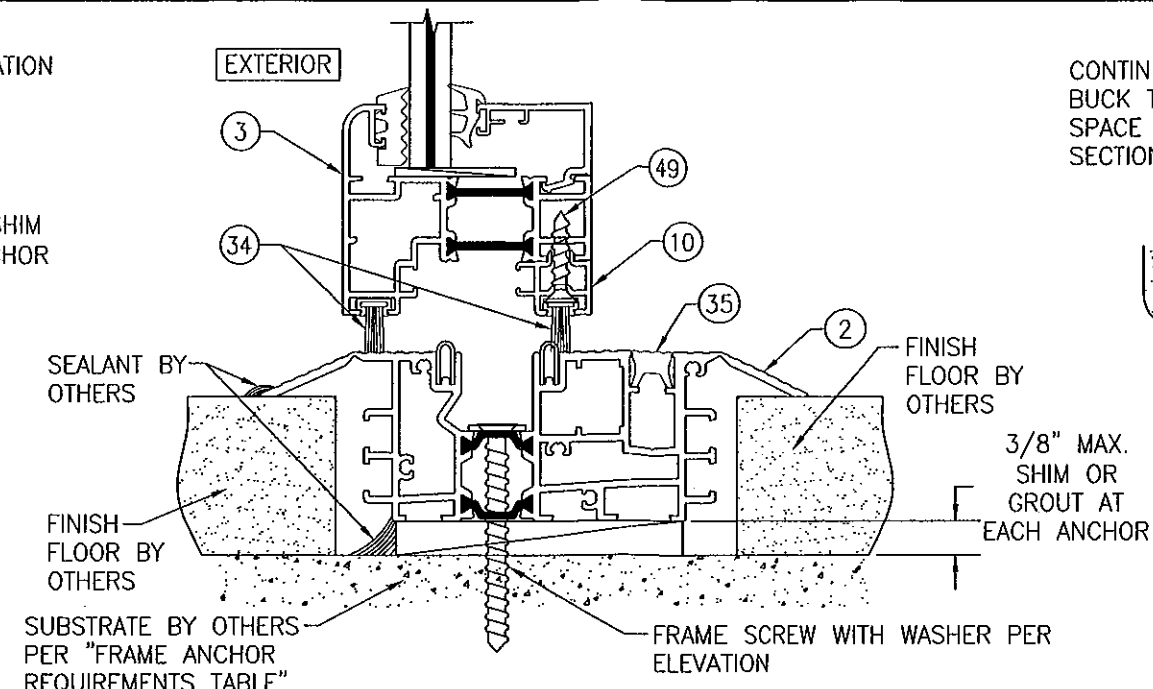
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 11/23/09	
NO.	REVISION	DESCRIPTION	DATE
SL-73 OUT-SWING IMPACT FOLDING PANELS MANUFACTURER: NANA WALL SYSTEMS, INC. 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673 CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
DEC 19 2011 CERTIFICATION NO. 44135 STATE OF FLORIDA PROFESSIONAL ENGINEER WARREN W. SCHAEFER, P.E. LICENSE NO. 44135			
SHEET NO. 5		OF 8	



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PLOT: 1=2	DATE: 11/23/09
DATE	BY
REVISION	DESCRIPTION
NO.	
DRAWING TITLE SL-73 OUT-SWING IMPACT FOLDING PANELS	
MANUFACTURER NANA WALL SYSTEMS, INC 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673	
CONSULTANTS W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
DEC 19 2011	
DRAWING NO. 1635	REV. A
SHEET NO. 6	OF 8

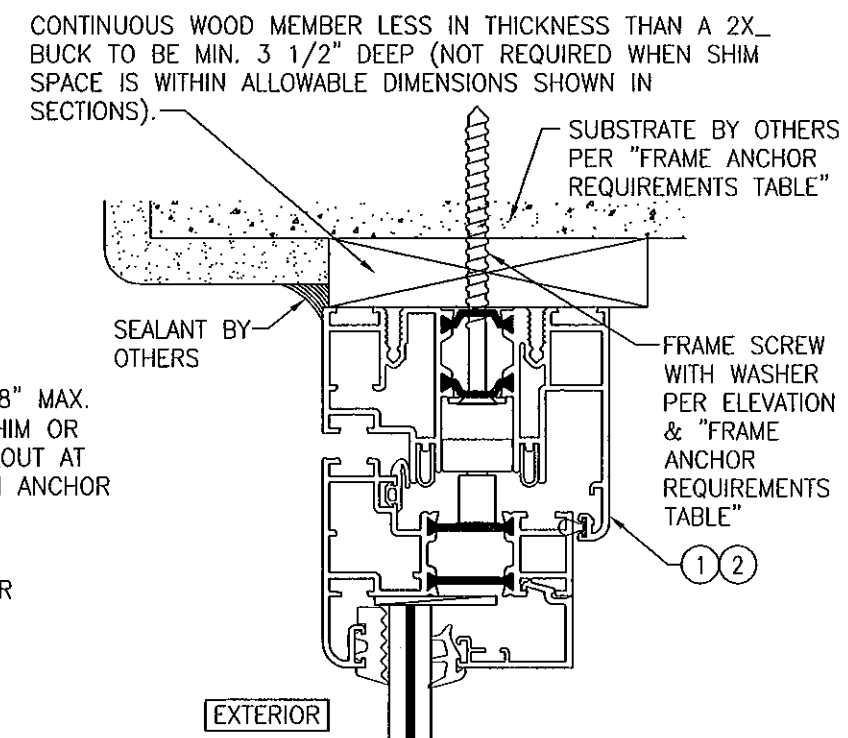


DOUBLE ROW ANCHOR DETAIL AT HEAD & SIDES
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(HEAD SECTION SHOWN. SIDES ARE INSTALLED THE SAME)

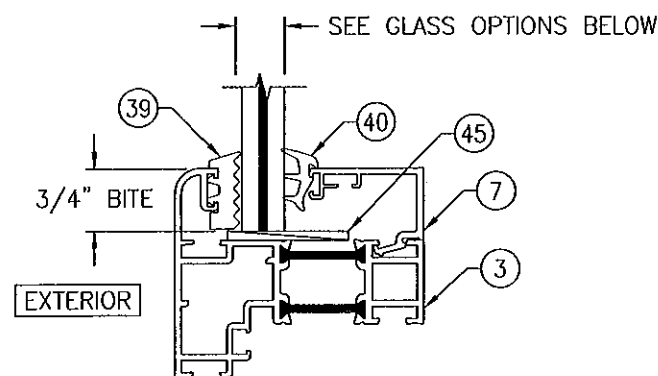


FLUSH SADDLE SILL DETAIL
(SWING DOOR SHOWN. FOLDING PANELS ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(DOUBLE SCREW ROW DOES NOT APPLY TO THIS DETAIL)

WHEN AN ADA/FLUSH SADDLE SILL IS USED, THESE DOORS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR UNLESS UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION OR THEY ARE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC CHAPTER 24.

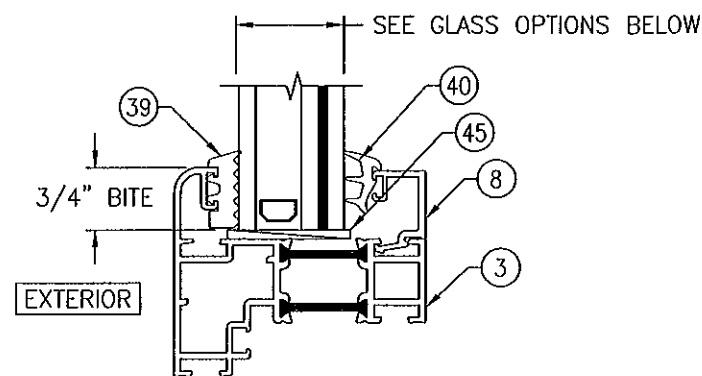


OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER
(HEAD SECTION SHOWN. SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(SINGLE SCREW ROW INSTALLATION SHOWN. DOUBLE SCREW ROW ALSO APPLIES)



NON-I.G. GLAZING DETAIL
GLASS OPTIONS 1 & 2

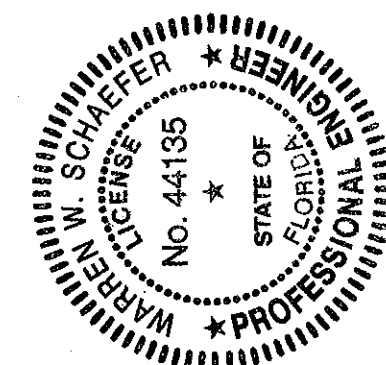
GLASS OPTION 1: 7/16" LAMINATED GLASS (3/16" H.S./0.09 DUPONT SGP/3/16" H.S.)
GLASS OPTION 2: 7/16" LAMINATED GLASS (3/16" AN./0.09 DUPONT SGP/3/16" AN.)



I.G. GLAZING DETAIL
GLASS OPTIONS 3, 4, 5 & 6

GLASS OPTION 3: 1 1/8" I.G. LAMINATED GLASS (3/16" H.S./0.09 DUPONT SGP/3/16" H.S. INTERIOR; 1/2" AIR SPACE; 3/16" TEMP. EXTERIOR)
GLASS OPTION 4: 1 1/8" I.G. LAMINATED GLASS (3/16" H.S./0.09 DUPONT SGP/3/16" H.S. INTERIOR; 7/16" AIR SPACE; 1/4" TEMP. EXTERIOR)
GLASS OPTION 5: 1 1/8" I.G. LAMINATED GLASS (3/16" AN./0.09 DUPONT SGP/3/16" AN. INTERIOR; 1/2" AIR SPACE; 3/16" TEMP. EXTERIOR)
GLASS OPTION 6: 1 1/8" I.G. LAMINATED GLASS (3/16" AN./0.09 DUPONT SGP/3/16" AN. INTERIOR; 7/16" AIR SPACE; 1/4" TEMP. EXTERIOR)

PRODUCT RENEWED
as complying with the Florida
Building Code
Acceptance No. 11-1024.05
Expiration Date 8/1/11
By [Signature]
Miami Dade Product Center



DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 11/23/09	
NO.	REVISION	DESCRIPTION	DATE
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CERTIFICATION		DEC 19 2011	
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